

### DYNAMIS

#### LITHIUM-LINE

#### LI-210 /S (ER14250HP, Size ½ AA)

Lithium Thionyl Chloride Cell - High Rate Discharge Type (Spiral)



#### Electrical characteristics

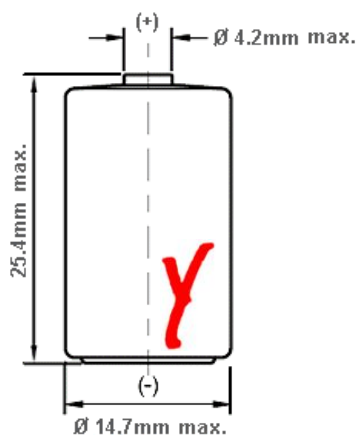
(Typical values for cells stored for one year or less at +25°C max.)

Nominal voltage	3.6 V
Nominal capacity at 4 mA with 2.0 V cut off voltage (25 °C). The capacity restored by the cell varies according to current drain, temperature and cut-off voltage).	750 mAh
Max. recommended continuous current	100 mA
Pulse capability (The readings may vary according to the pulse characteristics, temperature, and the cell's previous history. Fitting cell with a capacitor is recommended in severe conditions applications.)	300 mA
Storage temperature (recommended for max. 60% rel. humidity, according other demands contact DYNAMIS)	30°C max.
Operating temperature range (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)	-55°C ~ +80°C

#### Physical characteristics

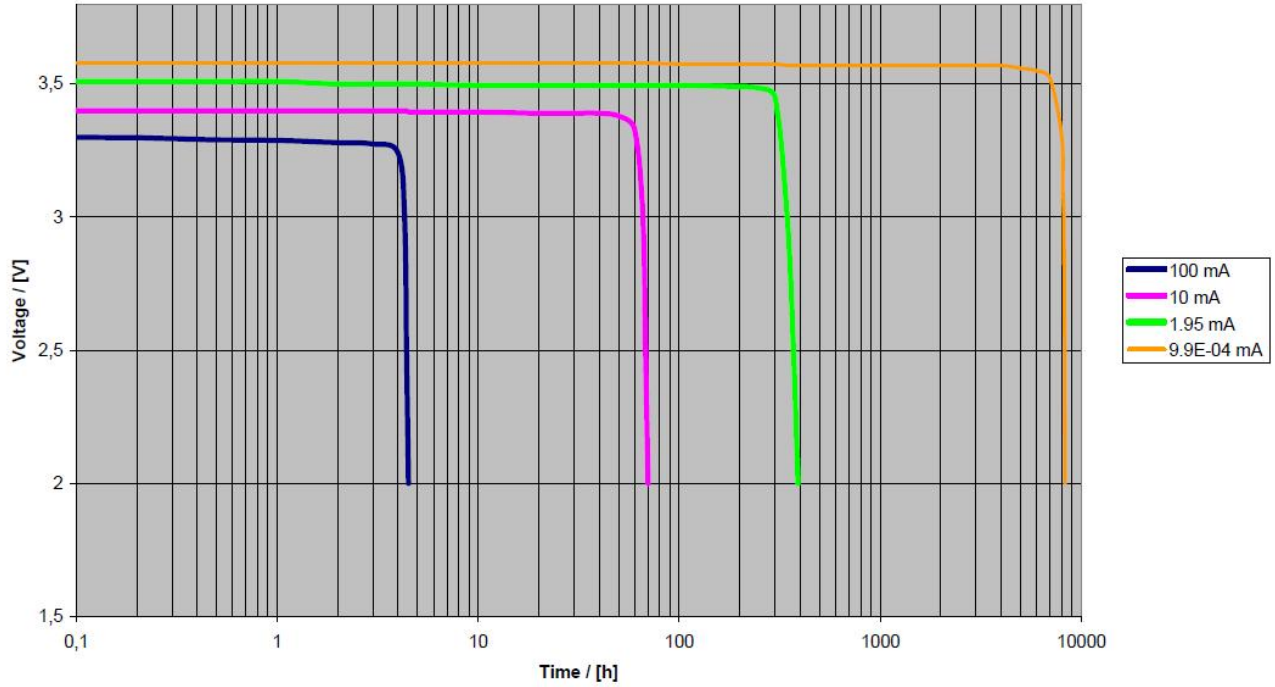
Height	25.4 mm
Diameter	14.7 mm
Weight ca.	10 g

#### Drawing:



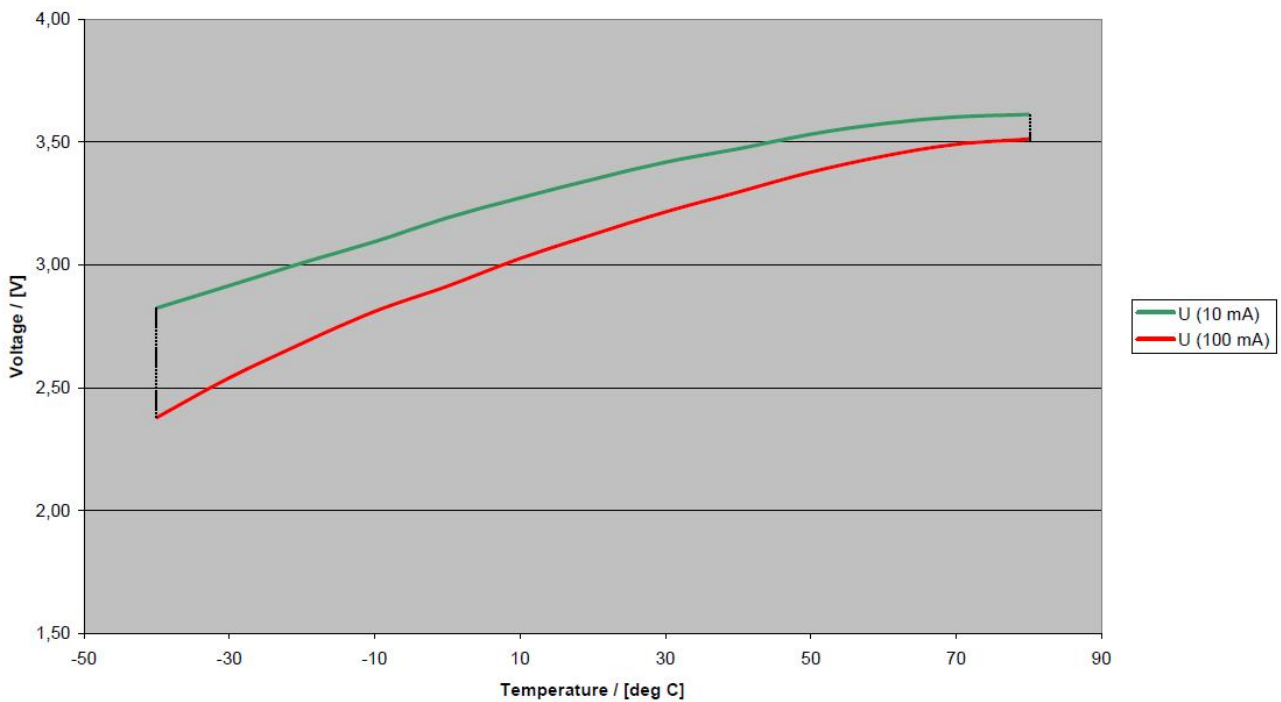
### Electrical Performance

Typical Discharges of LI-210 (ER14250HP)

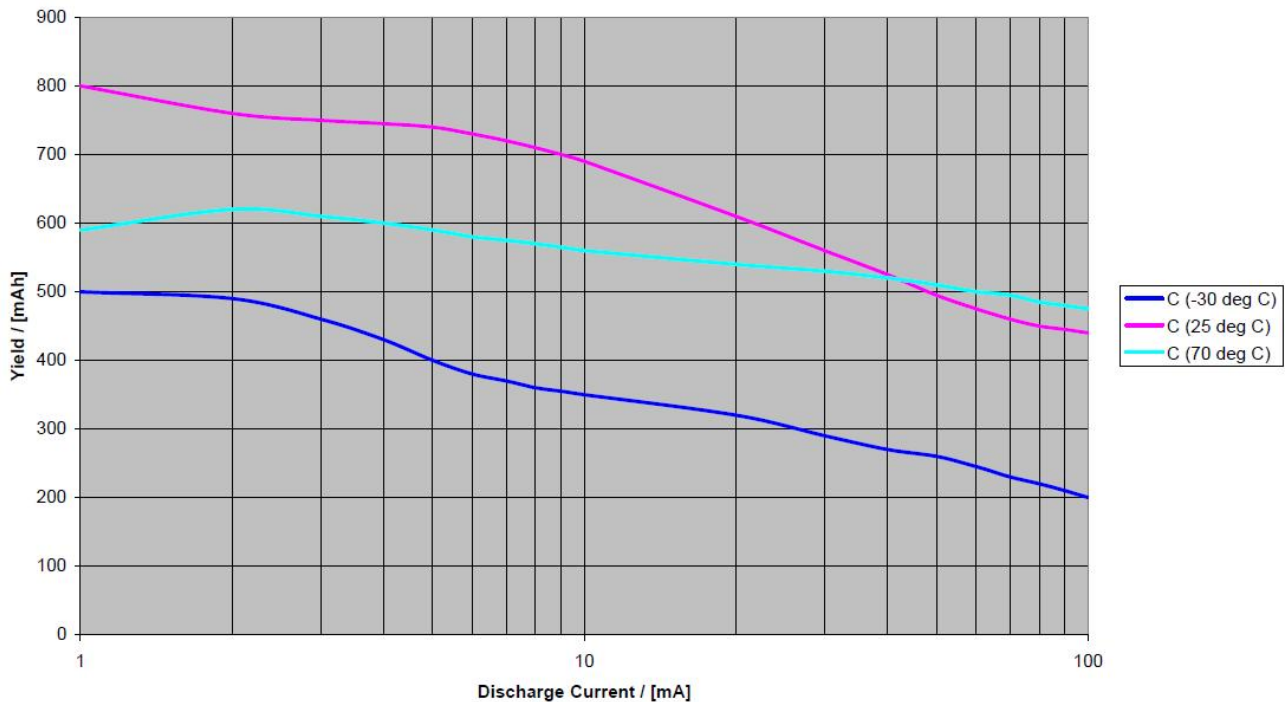


Resistors used for current calculation: 1800  $\Omega$  (1.95 mA), 330  $\Omega$  (10 mA), 33  $\Omega$  (100 mA) and 36 k $\Omega$  for 0.99 mA.

Voltage Levels at various Temperatures



Yield of capacity (idealised)



### Key features

- n High and stable operating voltage
- n High minimum voltage during pulse application
- n Low self discharge rate (less than 1 % after 1 year of storage at +25°C)
- n Stainless steel container
- n Hermetic glass-to-metal sealing
- n Non-flammable electrolyte
- n UL certified

### Warning

- n Fire, explosion and severe burn hazard.
- n Do not recharge, crush, disassemble, heat over 100°C or incinerate.
- n Do not expose cell or contents to water

### Terminal variations

Standard /S  
 Solder tabs /T  
 Axial Pins /P  
 Polarized Tabs +(1)/-(2) /PT  
 Polarized Tabs +(2)/-(1) /PTV  
 Pins +(1)/-(1) /EPR

### Main applications

Utility metering  
 Alarms and security devices  
 Memory back-up  
 Tracking systems  
 Automotive electronics  
 Professional electronics etc.

For other terminals please contact DYNAMIS.

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